

Select Professional Presentations

- Ray, AJ. 2016. [Research to Applications in Action: Some examples from PSD-ESRL](#)
Presentation at the 2016 NOAA Climate Prediction Assessment Workshop,
March 2016, Burlington, VT.
- Ray, AJ, Amy Symstad, Brian Miller, Nicholas Fisicheli, Gregor Schuurman, Jonathan Friedman, Erika Rowland. 2015. **Scaling Climate Change Adaptation in the Northern Great Plains through Regional Climate Summaries and Local Qualitative-quantitative Scenario Planning Workshops**, in session: Global Change Scenarios for the United States: Current Activities and Future Directions in Content and Methods For Research, Assessment, and Decision Support I. AGU 2015 Annual Meeting, ePoster GC21E-05.
<https://agu.confex.com/agu/fm15/meetingapp.cgi/Paper/83670>
- Ray, AJ, and Gregg M. Garfin. 2016. **Assessing the continuum of applications and societal benefits of US CLIVAR science**. AGU 2015 Annual Meeting, ePoster GC11A-1017. <https://agu.confex.com/agu/fm15/meetingapp.cgi/Paper/67262>
- Metivier, Deanna, H.M. Yocum, and AJ Ray. 2016. **State Wildlife Action Plans as Tools for Adapting to a Continuously Changing Climate**. AGU Annual meeting 2015. GC11A-1017
<https://agu.confex.com/agu/fm15/meetingapp.cgi/Paper/63760>
- Ray, A.J. 2015. **User studies: Integrating social science to create usable weather knowledge**. Presentation at the Association of American Geographers (AAG) Annual meeting, April 2015, Chicago, IL
- Ray, AJ, Walker, Susan, Trainor, Sarah, and Cherry, Jessica. 2014. **Hydropower licensing and evolving climate: climate knowledge to support risk assessment for long-term infrastructure decisions**. AGU 2014 Annual Meeting, ePoster GC53A-0497. <https://agu.confex.com/agu/fm14/meetingapp.cgi - Paper/25113>
- Ray, AJ, McNie, E, Averyt, KB, Morissette, J, Derner, Justin, Ojima, Dennis, Dilling, L, and Barsugli, J. 2014. **Interagency collaboration in the Rocky Mountains and Great Plains: Federal-university climate service networks for producing actionable information for climate change adaptation**. AGU 2014 Annual Meeting, ePoster PA41A- 4026. <https://agu.confex.com/agu/fm14/meetingapp.cgi - Paper/23747>
- Ray, AJ, Bob Means, B Liebmann, N Carr, 2013. **Management and Wyoming Basin Rapid Ecoregional Assessment: A Science--Management Partnership to Inform Public Land Management under Changing Climate Conditions**, in Public Affairs session "The Policy-Science Interface for Land Management in a Changing Climate,"

http://www.esrl.noaa.gov/psd/people/andrea.ray/Ray_AGU2013_poster_GC11B_0984_final

- Dilling et al, 2013. **The Dynamics of Vulnerability and Implications for Climate Change Adaptation: Lessons from Urban Water Management**, Poster at 2013 AGU, in session on “Climate change effects on natural hazards: science, communication and policy.
- Ray, AJ, JT Morisette, DS Ojima. 2012. **Joint Applications Pilot of the National Climate Predictions & Projections Platform and the North Central Climate Science Center: Delivering climate projections on regional scales to support adaptation planning**, Fall 2012 AGU, see <http://fallmeeting.agu.org/2012/e posters/eposter/b33e-0566/>
- Ray, A.J., 2008. Climate Change in Colorado: Creating a Synthesis to Support Water Resources Management and Adaptation. Climate Prediction Assessment workshop (CPASW), Norman, OK, March 2009
- Ray, A.J. 2008. [Lessons learned from the 2000s Western drought: Evolving linkages between research and services](#). Invited presentation at the NOAA Climate Diagnostics & Prediction Workshop/CLIVAR drought meeting in Oct 2008 in Lincoln, NE.
- Ray, AJ. *Challenges for managing water resources in mountainous regions*, Invited presentation at the Mountain Hydroclimate & Water Resources Workshop, NASA, NOAA, Boulder, CO, Oct. 17-19, 2007.
- Ray, AJ. 2007. [IPCC Fourth Assessment Report: Physical Basis of Climate Change and Adaptation, Impacts and Vulnerability](#) invited presentations to the Colorado River Water Conservation District: State of the River meeting, May 16, 2007, Frisco, CO; and to the Utah Water Users Association, Salt Lake City, UT, December 3, 2007.
- Ray, AJ. 2007. **Integrated and Adaptive Reservoir Management in the Context of Hydroclimatic Variability: a Case Study of the Gunnison Basin, Colorado**, Eos Trans. AGU, 88(52), Fall Meet. Suppl., Abstract H24A-02.
- Barsugli, JJ, AJ Ray, Thomas Hamill. 2007. **Integrating Assessments of User Needs With Intraseasonal Forecast Research: Developing User-centric Tools for Reservoir Management**, Oral presentation at the CPASW, Seattle, WA, 2007. http://www.esrl.noaa.gov/psd/people/andrea.ray/Barsugli_CPASW_2007_final
- Ray, A.J. and D. Kenney. 2007. **Critical challenges in incorporating climate into management of the Colorado River**. Presentation at the AMS Second Symposium on Policy and Socio-economic Research, 2007 AMS Annual Meeting, San Antonio, TX, January 2007.

- Ray, A.J., D.L. Lettenmaier, and R. Lobato Sanchez. 2007. **Intraseasonal to Interannual hydrologic forecasting for Mexico: new products and forecasts and their potential uses.** Proceedings of the 2006 North American Drought Monitor Meeting, Mexico City, MX, NOAA National Climatic Data Center.
- Ray, A.J., and J.L. Lowrey, 2006. *Uses and needs for climate information by municipal water providers on the Front Range of Colorado.* Presentation at the NOAA Climate Prediction Assessment Workshop, March 21-24, 2006, Tucson, AZ.
- Ray, A.J. 2006. [Climate Products and Forecasts: Resources for Understanding Climate and How They Can be Utilized](#). Presentation at the "Water, Drought, and Wyoming's Climate Workshop," October 5, 2006, Laramie, WY.
- Ray, A.J. **The North American Monsoon: an opportunity for regional science to serve society**, in session on "Drought, Water Supply, Fire: How Does Regional Science Serve society?" Oral presentation at the 2004 Annual Meeting of the [Association of American Geographers](#), Philadelphia, PA, March 14-19, 2004. [abstract](#)
- Ray, A.J. 2004. **What the 2002 drought revealed about user needs for Western regional climate services**, 2004 Annual Meeting of the American Meteorological Society, Seattle, WA, January 2004. [abstract](#)
- Ray, A.J. 2003. **Climate information and multipurpose water management in the Gunnison Basin, Colorado: A user study approach.** Seminar presented to the NCAR Environment and Societal Impacts Group, April, 2002.
- Ray, A.J. 2002. What the 2002 drought revealed about user needs for Western regional climate services, Poster Presentation at the 2004 Annual Meeting of the American Meteorological Society, Seattle, WA, January 2004.
- Ray, A.J., R.S. Webb, and R.S. Pulwarty 2003. **A user study approach for identifying needs for regional climate services.** 2003 AMS Annual Meeting, Long Beach, CA. [abstract](#)
- Ray, A.J. and R.S. Pulwarty 2002. **Incorporating climate information in water resources management: What do we know and what do we need to know?** In session on "Incorporating Climate Variability information in Water Resources Decision making," chaired by Rajagopalan and Bradley at the Annual Meeting of the American Geophysical Union, San Francisco, CA. [abstract](#)
- Ray, A.J., and R.S. Pulwarty. 2002. **Incorporating climate information in water resources management: What do we know and what do we need to know?"** NOAA Climate Prediction Assessment Workshop, Oct 2002, Alexandria, VA.
- Ray, A.J. 2001. **Geographical concepts in a regional case study: Climate variability and water management in western Colorado.** Session on 'Asserting Geography

- in the "New" Place-based science,' session organizers, Barbara Morehouse and Melinda Laiturito. 2001 Annual Meeting of the [Association of American Geographers](#), New York, NY, 27 Feb-3 March, 2001.>[abstract](#)
- Ray, A.J., and R.S. Webb. 2000. **Demand-side perspective on climate services for reservoir management.** Climate Diagnostics and Prediction Workshop, Palisades, NY, 23-27 October 2000. [abstract](#).
- Ray, A.J. Robin S. Webb, and John Wiener, 2001. **Analysis current uses and user needs for water management in the Interior West.** a poster for the [AMS annual meeting](#), January 2001, Albuquerque, NM [abstract](#).
- Ray, A.J., and R.S. Webb, 2000. **CDC Experimental Climate Services: some perspectives from current activities**, presentation at the NOAA [Applied Research Centers meeting](#), March 20-23, 2000, Palisades, NY [abstract](#).
- Ray, A.J., 2000. **Seasonal forecasts and water management in the Upper Colorado Basin: using climate information to assist ecosystem management** an oral presentation for the [AMS annual meeting](#), January 2000, Long Beach, CA [abstract](#).
- Ray, A.J. and K.T.Redmond. 1999. **1999-2000 winter season outlook and interpretation.** Poster presentation at the U.S. Bureau of Reclamation River Systems Management Workshop, October 19-21, 1999, Reno, NV
- Ray, A.J. 1999. **Climate and Water Management in the Interior West: a critical water problems approach**, presented at the 16th Annual Pacific Climate Workshop on Climate Variability of the Eastern North Pacific and Western North America ([PACLIM](#)) [abstract](#).
- Ray, A.J. 1999. **Colorado Basin Water Management: Relating Responses to Critical Water Problems and Climate**, presented at the 1999 Annual Meeting of the Association of American Geographers, Honolulu, HI, 23-27 March, 1999.[abstract](#)